



SPYWOLF

Security Audit Report



Completed on
August 5, 2023

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OVERVIEW

This audit has been prepared for **XDOGECOIN** to review the main aspects of the project to help investors make an informative decision during their research process.

You will find a summarized review of the following key points:

- ✓ Contract's source code
- ✓ Owners' wallets
- ✓ Tokenomics
- ✓ Team transparency and goals
- ✓ Website's age, code, security and UX
- ✓ Whitepaper and roadmap
- ✓ Social media & online presence

“

The results of this audit are purely based on the team's evaluation and does not guarantee nor reflect the projects outcome and goal

- SPYWOLF Team -

”





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XDOGECOIN



PROJECT DESCRIPTION

According to their website:

"XDOGECOIN is more than just a meme coin; it represent huge memecoin community of DOGECOIN and Elon Musk new X platform. XDOGECOIN is driven by its community, ensuring that every voice is heard and valued. Launched with no team tokens, no unlocked tokens and two taxes, LP locked and contract renounced. \$XDOGECOIN is a coin for the people forever. Fueled by pure memetic power!"

Release Date: Presale starts in August, 2023

Category: Meme token



CONTRACT INFO

Token Name
XDOGECOIN

Symbol
XDOGECOIN

Contract Address

0xa8186F4ca278a13e7135F2898abBFFD9713e113f

Network

Binance Smart Chain

Language

Solidity

Deployment Date

Aug 4, 2023

Verified?

Yes

Total Supply

1,000,000,000

Status

Not launched

TAXES

Buy Tax

2%

Sell Tax

2%

Our Contract Review Process

The contract review process pays special attention to the following:

- ✓ Testing the smart contracts against both common and uncommon vulnerabilities
- ✓ Assessing the codebase to ensure compliance with current best practices and industry standards.
- ✓ Ensuring contract logic meets the specifications and intentions of the client.
- ✓ Cross referencing contract structure and implementation against similar smart contracts produced by industry leaders.
- ✓ Thorough line-by-line manual review of the entire codebase by industry experts.

Blockchain security tools used:

- OpenZeppelin
- Mythril
- Solidity Compiler
- Hardhat



TOKEN TRANSFERS STATS

Transfer Count	1
Uniq Senders	1
Uniq Receivers	1
Total Amount	1000000000 XDOGECOIN
Median Transfer Amount	1000000000 XDOGECOIN
Average Transfer Amount	1000000000 XDOGECOIN
First transfer date	2023-08-04
Last transfer date	2023-08-04
Days token transferred	1

SMART CONTRACT STATS

Calls Count	1
External calls	1
Internal calls	0
Transactions count	1
Uniq Callers	1
Days contract called	1
Last transaction time	2023-08-04 10:13:09 UTC
Created	2023-08-04 10:13:09
Create TX	0x982fec82b5d28cc458b59ace88dd892b46e6080b593d8291c84e2f19e48fe794
Creator	0xc6ebf2ae09184d13c95f8a3e37fdc02973dae41d



VULNERABILITY CHECK

Design Logic	Passed
Compiler warnings.	Passed
Private user data leaks	Passed
Timestamp dependence	Passed
Integer overflow and underflow	Passed
Race conditions and reentrancy. Cross-function race conditions	Passed
Possible delays in data delivery	Passed
Oracle calls	Passed
Front running	Passed
DoS with Revert	Passed
DoS with block gas limit	Passed
Methods execution permissions	Passed
Economy model	Passed
Impact of the exchange rate on the logic	Passed
Malicious Event log	Passed
Scoping and declarations	Passed
Uninitialized storage pointers	Passed
Arithmetic accuracy	Passed
Cross-function race conditions	Passed
Safe Zeppelin module	Passed
Fallback function security	Passed



THREAT LEVELS

When performing smart contract audits, our specialists look for known vulnerabilities as well as logical and access control issues within the code. The exploitation of these issues by malicious actors may cause serious financial damage to projects that failed to get an audit in time. We categorize these vulnerabilities by the following levels:

High Risk

Issues on this level are critical to the smart contract's performance/functionality and should be fixed before moving to a live environment.

Medium Risk

Issues on this level are critical to the smart contract's performance/functionality and should be fixed before moving to a live environment.

Low Risk

Issues on this level are minor details and warning that can remain unfixed.

Informational

Information level is to offer suggestions for improvement of efficacy or security for features with a risk free factor.



FOUND THREATS

⚠ High Risk

TradingEnabled is currently false, allowing vetted addresses to potentially sell their presale tokens before opening trade for the investors.

```
function _transfer(
    address sender,
    address recipient,
    uint256 amount
) internal override {
    require(amount > 0, "Transfer amount must be greater than zero");

    if (!exemptFee[sender] && !exemptFee[recipient]) {
        require(tradingEnabled, "Trading not enabled");
    }

    uint256 feeswap;
    uint256 feesum;
```

- Recommendation:
 - Owner must first enable trading for any transfer



FOUND THREATS

⚠ Medium Risk

Owner can change contract's autoswap settings.

If providingLiquidity is true, tokenLiquidityThreshold is 0 and contract's token balances are 0, contract will halt on sell and selling will fail.

```
function updateLiquidityTreshhold(uint256 new_amount) external onlyOwner {
    require(new_amount <= 1e7, "Swap threshold amount should be lower or equal to 1% of tokens");
    tokenLiquidityThreshold = new_amount * 10**decimals();
}

function updateLiquidityProvide(bool state) external onlyOwner {
    providingLiquidity = state;
}

function _transfer(
    address sender,
    address recipient,
    uint256 amount
) internal override {
    .....
    if (providingLiquidity && sender != pair)
        Liquify(feeswap, currentTaxes);
    .....
}
```

- Recommendation:
 - Ensure that tokenLiquidityThrehold's value is always above 1 token.



Informational

Owner can exclude address from fees.

When address is excluded from fees, the user will receive the whole amount of the bought, sold and/or transferred tokens.

```
function updateExemptFee(address _address, bool state) external onlyOwner {
    exemptFee[_address] = state;
}

function bulkExemptFee(address[] memory accounts, bool state) external onlyOwner {
    for (uint256 i = 0; i < accounts.length; i++) {
        exemptFee[accounts[i]] = state;
    }
}
```

Owner can withdraw any tokens from the contract.

When this function is present, in cases tokens sent into the contract by mistake or purposefully, contract's owner can retrieve them.

```
function rescueBNB(uint256 weiAmount) external onlyOwner {
    payable(owner()).transfer(weiAmount);
}

function rescueBEP20(address tokenAdd, uint256 amount) external onlyOwner {
    require(tokenAdd != address(this), "Owner can't claim contract's balance of its own tokens");
    IERC20(tokenAdd).transfer(owner(), amount);
}
```



RECOMMENDATIONS FOR

GOOD PRACTICES

1

Consider fundamental tradeoffs

2

Be attentive to blockchain properties

3

Ensure careful rollouts

4

Keep contracts simple

5

Stay up to date and track development

XDOGE COIN

GOOD PRACTICES FOUND

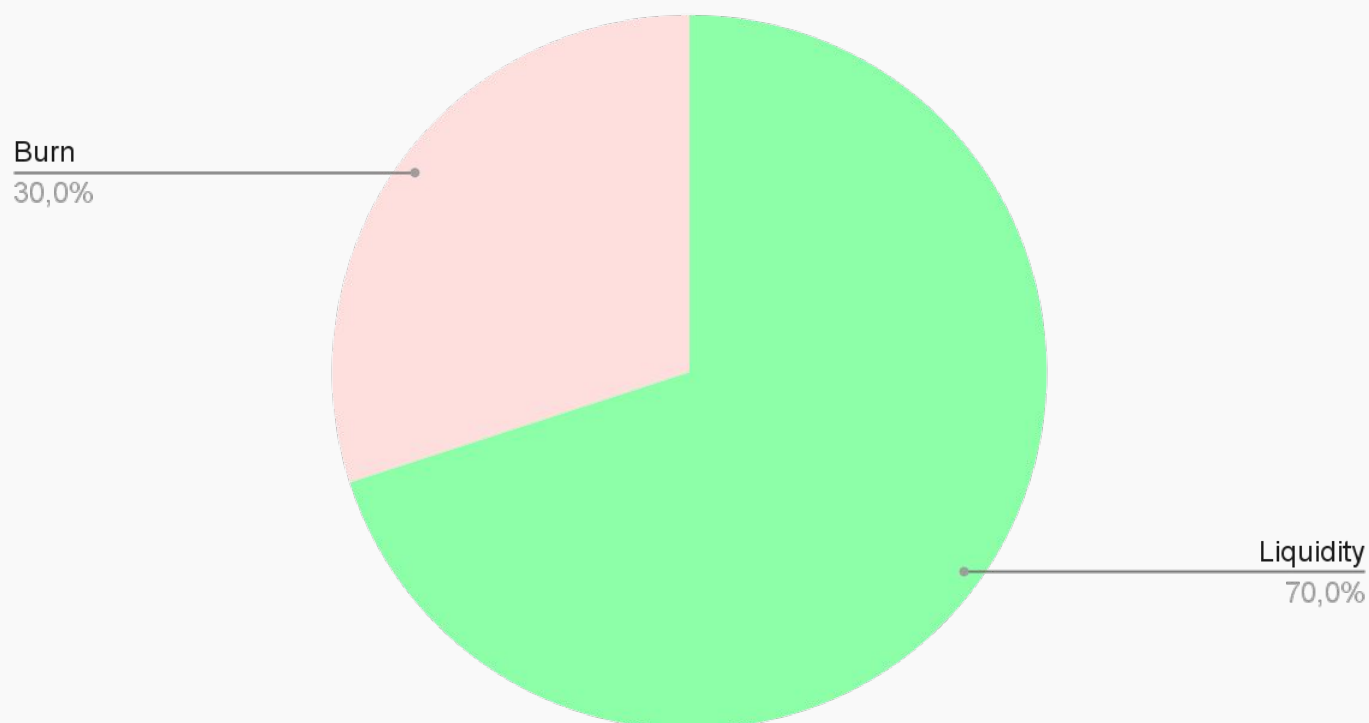
- ✓ The owner cannot mint new tokens after deployment
- ✓ The owner cannot set a transaction limit



The following tokenomics are based on the project's whitepaper and/or website:

- 70% - Liquidity
- 30% - Burn

Tokens distribution



TOKENOMICS



THE TEAM

⚠ The team is anonymous

KYC INFORMATION

No KYC

We recommend the team to get a KYC in order to ensure trust and transparency within the community.





WEBSITE

Website URL

www.xdogecoin.com

Domain Registry

https://www.wix.com

Domain Expiration

2024-08-03

Technical SEO Test

Passed

Security Test

Passed. SSL certificate present

Design

Single page design with distinct color scheme and graphics.

Content

The information helps new investors understand what the product does right away. No grammar mistakes found..

Whitepaper

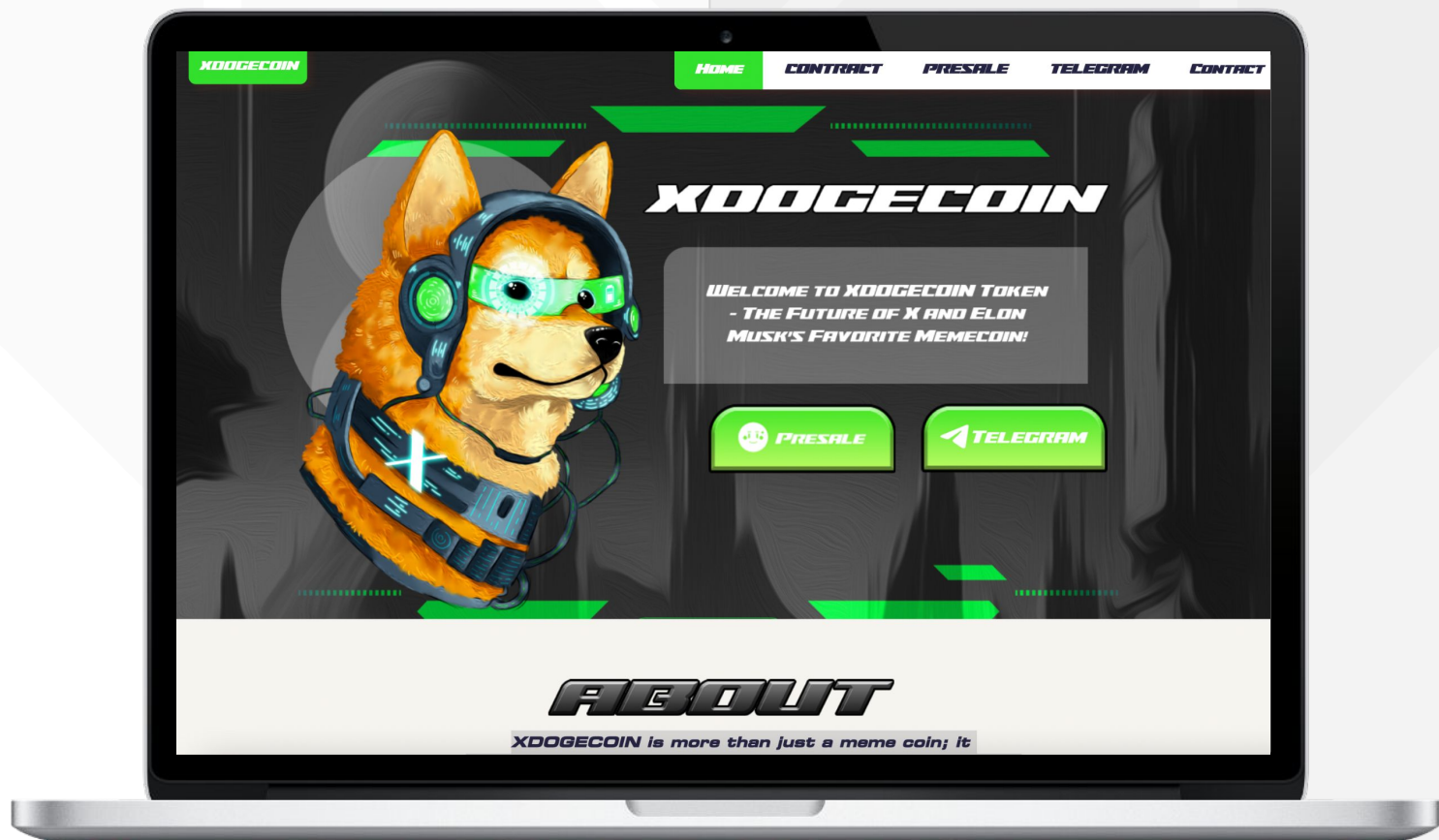
No

Roadmap

Yes, goals set without time frames.

Mobile-friendly?

Yes



www.xdogecoin.com

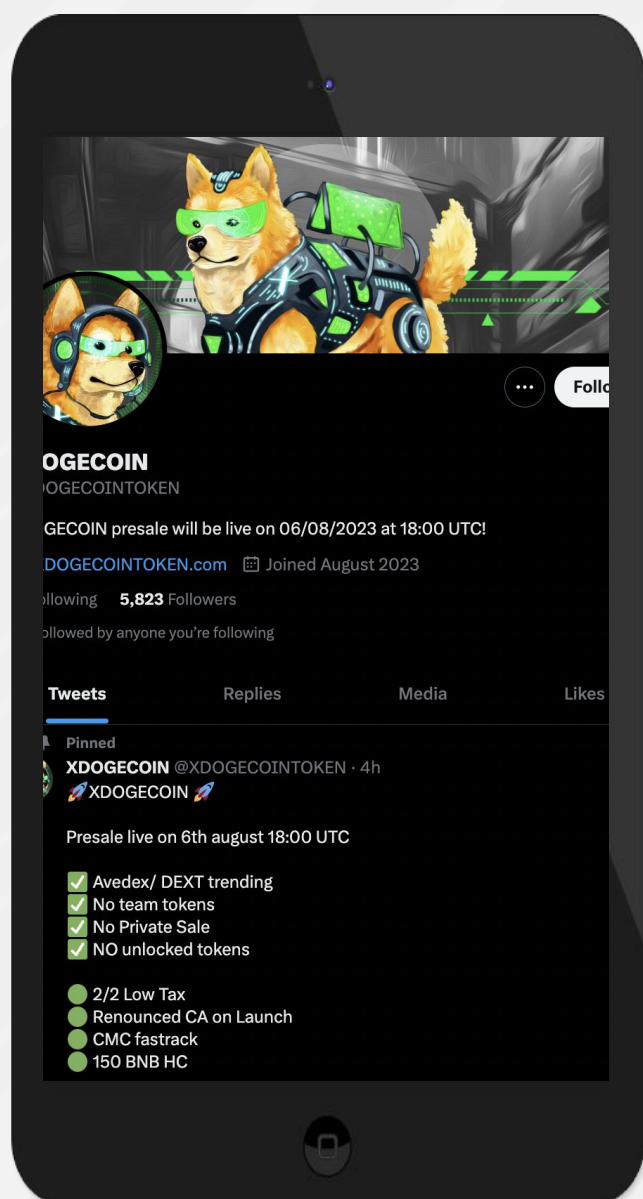


SOCIAL MEDIA & ONLINE PRESENCE



ANALYSIS

Project's social media
pages are active



Twitter

@XDOGECOINTOKEN

- 5 823 followers
- Active
- Posts frequently



Discord

- Not available



Telegram

@xdogeointoken

- 4 736 members
- Active users
- Active mods



Medium

- Not available



SPYWOLF

CRYPTO SECURITY

Audits | KYCs | dApps
Contract Development

ABOUT US

We are a growing crypto security agency offering audits, KYCs and consulting services for some of the top names in the crypto industry.

- ✓ OVER 500 SUCCESSFUL CLIENTS
- ✓ MORE THAN 500 SCAMS EXPOSED
- ✓ MILLIONS SAVED IN POTENTIAL FRAUD
- ✓ PARTNERSHIPS WITH TOP LAUNCHPADS, INFLUENCERS AND CRYPTO PROJECTS
- ✓ CONSTANTLY BUILDING TOOLS TO HELP INVESTORS DO BETTER RESEARCH

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Disclaimer

This report shows findings based on our limited project analysis, following good industry practice from the date of this report, in relation to cybersecurity vulnerabilities and issues in the framework and algorithms based on smart contracts, overall social media and website presence and team transparency details of which are set out in this report. In order to get a full view of our analysis, it is crucial for you to read the full report.

While we have done our best in conducting our analysis and producing this report, it is important to note that you should not rely on this report and cannot claim against us on the basis of what it says or doesn't say, or how we produced it, and it is important for you to conduct your own independent investigations before making any decisions. We go into more detail on this in the disclaimer below – please make sure to read it in full.

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No applications were reviewed for security. No product code has been reviewed.